

FILEID**CHMDELCHR

| | | | | | | | | | | | |
|----------|----|----|------------|------|----------|-----------|----------|----------|----|------------|----------|
| CCCCCCCC | HH | HH | MM | MM | DDDDDDDD | EEEEEEEEE | LL | CCCCCCCC | HH | HH | RRRRRRRR |
| CCCCCCCC | HH | HH | MM | MM | DDDDDDDD | EEEEEEEEE | LL | CCCCCCCC | HH | HH | RRRRRRRR |
| CC | HH | HH | MMMM | MMMM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MMMM | MMMM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | HHHHHHHHHH | MM | MM | DD | DD | EE | CC | HHHHHHHHHH | RRRRRRRR |
| CC | HH | HH | HHHHHHHHHH | MM | MM | DD | DD | EE | CC | HHHHHHHHHH | RRRRRRRR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CC | HH | HH | MM | MM | DD | DD | EE | CC | HH | HH | RR RR |
| CCCCCCCC | HH | HH | MM | MM | DDDDDDDD | EEEEEEEEE | LLLLLLLL | CCCCCCCC | HH | HH | RR RR |
| CCCCCCCC | HH | HH | MM | MM | DDDDDDDD | EEEEEEEEE | LLLLLLLL | CCCCCCCC | HH | HH | RR RR |

| | | |
|----|--------|----------|
| LL | IIIIII | SSSSSSSS |
| LL | IIIIII | SSSSSSSS |
| LL | II | SS |
| LL | IIIIII | SSSSSSSS |
| LL | IIIIII | SSSSSSSS |

```
1 0 XTITLE 'EDT$CHMDELCHR - delete characters'
2 0 MODULE EDT$CHMDELCHR (                                ! Delete characters
3 0 .                                                 ! File: CHMDELCHR.BLI Edit: JBS1006
4 0 IDENT = 'V04-000'
5 0 ) =
6 1 BEGIN
7 1 ****
8 1 *
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26 1 *
27 1 *
28 1 ****
29 1 *
30 1 *
31 1 ++
32 1 FACILITY:   EDT -- The DEC Standard Editor
33 1 *
34 1 ABSTRACT:
35 1 *
36 1 This module deletes text on the current line (change mode).
37 1 *
38 1 ENVIRONMENT: Runs at any access mode - AST reentrant
39 1 *
40 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
41 1 *
42 1 MODIFIED BY:
43 1 *
44 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
45 1 extracting the routine DELETE_CHARS from module CHANGE.BLI.
46 1 1-002 - Regularize headers. JBS 27-Feb-1981
47 1 1-003 - Fix module name. JBS 03-Mar-1981
48 1 1-004 - Improve some comments. JBS 02-Jun-1981
49 1 1-005 - New screen update logic. JBS 13-Sep-1982
50 1 1-006 - Change the call to EDT$$MRK_LCNHG. JBS 27-Dec-1982
51 1 --
52 1
```

```
: 54      0053 1 %SBTTL 'Declarations'  
.: 55      0054 1  
.: 56      0055 1 TABLE OF CONTENTS:  
.: 57      0056 1  
.: 58      0057 1  
.: 59      0058 1 REQUIRE 'EDTSRC:TRAROUNAM';  
.: 60      0497 1  
.: 61      0498 1 FORWARD ROUTINE  
.: 62      0499 1     EDT$DEL_CHS : NOVALUE;  
.: 63      0500 1           ! Delete part of the current line  
.: 64      0501 1  
.: 65      0502 1 INCLUDE FILES:  
.: 66      0503 1  
.: 67      0504 1  
.: 68      0505 1 REQUIRE 'EDTSRC:EDTREQ';  
.: 69      0640 1  
.: 70      0641 1  
.: 71      0642 1 MACROS:  
.: 72      0643 1  
.: 73      0644 1     NONE  
.: 74      0645 1  
.: 75      0646 1 EQUATED SYMBOLS:  
.: 76      0647 1  
.: 77      0648 1     NONE  
.: 78      0649 1  
.: 79      0650 1 OWN STORAGE:  
.: 80      0651 1  
.: 81      0652 1     NONE  
.: 82      0653 1  
.: 83      0654 1 EXTERNAL REFERENCES:  
.: 84      0655 1  
.: 85      0656 1     In the routine
```

```

87 0657 1 %SBTTL 'EDT$DEL_CHS - delete characters'
88 0658 1
89 0659 1 GLOBAL ROUTINE EDT$DEL_CHS (
90 0660 1   FC.                                ! Delete characters
91 0661 1   LC.                                ! Position of first character to delete
92 0662 1   ) : NOVALUE =                      ! Position of last character to delete
93 0663 1
94 0664 1 ++
95 0665 1   FUNCTIONAL DESCRIPTION:
96 0666 1
97 0667 1     This routine deletes text on the current line between the
98 0668 1     two pointers FC and LC.
99 0669 1
100 0670 1 FORMAL PARAMETERS:
101 0671 1
102 0672 1   FC          Position of the first character to delete
103 0673 1
104 0674 1   LC          Position of the last character to delete
105 0675 1
106 0676 1 IMPLICIT INPUTS:
107 0677 1
108 0678 1   EDTSSA_SEL_POS
109 0679 1   EDTSSA_LN_END
110 0680 1
111 0681 1 IMPLICIT OUTPUTS:
112 0682 1
113 0683 1   EDTSSA_SEL_POS
114 0684 1   EDTSSA_LN_PTR
115 0685 1
116 0686 1 ROUTINE VALUE:
117 0687 1
118 0688 1   NONE
119 0689 1
120 0690 1 SIDE EFFECTS:
121 0691 1
122 0692 1   NONE
123 0693 1
124 0694 1 --
125 0695 1
126 0696 2 BEGIN
127 0697 2
128 0698 2 EXTERNAL ROUTINE
129 0699 2   EDT$SMRK_LNCHG : NOVALUE,           ! Track line updates
130 0700 2   EDT$SUPD_LNLEN : NOVALUE,         ! Update the length of the current line
131 0701 2   EDT$SSAV_LN : NOVALUE,            ! Save a line in the auxiliary buffer
132 0702 2   EDT$SEL_RNGPOS;                  ! Compare the select line with the current line
133 0703 2
134 0704 2 EXTERNAL
135 0705 2   EDTSSA_SEL_POS,                 ! select position.
136 0706 2   EDTSSA_LN_END,                  ! End of current line pointer
137 0707 2   EDTSSA_LN_PTR,                  ! Current character pointer
138 0708 2   EDT$ST_LN_BUF;                  ! Line buffer
139 0709 2
140 0710 2 LOCAL
141 0711 2   LEN;
142 0712 2
143 0713 2 !+

```

```

144      0714 2 ! Compute length of the delete, and quit if zero.
145      0715 2
146      0716 2 LEN = CH$DIFF (.LC, .FC);
147      0717 2 EDTSSSAV_LN (.FC, .LEN);
148      0718 2
149      0719 2 IF (.LEN EQL 0) THEN RETURN;
150      0720 2
151      0721 2 +
152      0722 2 Watch out for select range, adjust as necessary.
153      0723 2 -
154      0724 2
155      0725 3 IF (EDTSSSEL_RNGPOS () EQL 0)
156      0726 2 THEN
157      0727 2 +
158      0728 2 This is the selected line
159      0729 2 -
160      0730 2
161      0731 3 IF CH$PTR_GTR (.EDTSSA_SEL_POS, .FC)
162      0732 2 THEN
163      0733 2
164      0734 3 IF CH$PTR_GTR (.EDTSSA_SEL_POS, .LC)
165      0735 2 THEN
166      0736 2 ELSE EDTSSA_SEL_POS = CH$PLUS (.EDTSSA_SEL_POS, -.LEN)
167      0737 2
168      0738 2 EDTSSA_SEL_POS = .FC;
169      0739 2
170      0740 2 +
171      0741 2 Now, adjust the line.
172      0742 2 -
173      0743 2 EDTSSCPY_MEM (CH$DIFF (.EDTSSA_LN_END, .LC), .LC, .FC);
174      0744 2 EDTSSUPD_LNLEN (-.LEN);
175      0745 2 EDTSSMRK_LNCHG (SCR_EDIT MODIFY, .FC - EDTSSST_LN_BUF);
176      0746 2 EDTSSA_LN_PTR = .FC;
177      0747 1 END;
                                         ! of routine EDTSSDEL_CHS

```

.TITLE EDTSCHMDELCHR EDTSCHMDELCHR - delete characters
.IDENT \V04-000\

.EXTRN EDTSSMRK_LNCHG, EDTSSUPD_LNLEN
.EXTRN EDTSSSAV_LN, EDTSSSEL_RNGPOS
.EXTRN EDTSSA_SEL_POS, EDTSSA_LN_END
.EXTRN EDTSSA_LN_PTR, EDTSSST_LN_BUF

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

| | | | | | | |
|----|----|--------------|-------------|--------|---|--------|
| | | | 01FC 00000 | .ENTRY | EDTSSDEL_CHS, Save R2,R3,R4,R5,R6,R7,R8 | : 0659 |
| | | 58 00000000G | 00 9E 00002 | MOVAB | EDTSSA_SEL_POS, R8 | : 0716 |
| | | 57 04 AC | AC D0 00009 | MOVL | FC, R7 | : 0717 |
| 56 | 08 | | 57 C3 00000 | SUBL3 | R7, LC, LEN | |
| | | | 56 DD 00012 | PUSHL | LEN | |
| | | 00000000G | 57 DD 00014 | PUSHL | R7 | |
| | | 00 | 02 FB 00016 | CALLS | #2, EDTSSSAV_LN | : 0719 |
| | | | 56 D5 0001D | TSTL | LEN | |
| | | 00000000G | 54 13 0001F | BEQL | 3\$ | |
| | | 00 | 00 FB 00021 | CALLS | #0, EDTSSSEL_RNGPOS | : 0725 |
| | | | 50 D5 00028 | TSTL | R0 | |

EDT\$CHMDELCHR
V04-000 EDT\$CHMDELCHR - delete characters
EDT\$DEL_CHS - delete characters

E 15

15-Sep-1984 23:49:02
14-Sep-1984 12:22:25

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMDELCHR.BLI;1

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E
V

| | | | | | |
|--------------|--------------|-------------|------------|------------------------|------|
| | | 16 12 0002A | BNEQ | 2\$ | |
| | 50 | 68 D0 0002C | MOVL | EDT\$SA_SEL_POS, R0 | 0731 |
| | 57 | 50 D1 0002F | CMPL | R0, R7 | |
| | 08 AC | 0E 1B 00032 | BLEQU | 2\$ | 0734 |
| | 68 | 50 D1 00034 | CMPL | R0, LC | |
| | | 05 1B 00038 | BLEQU | 1\$ | 0736 |
| | | 56 C2 0003A | SUBL2 | LEN, EDT\$SA_SEL_POS | |
| | | 03 11 0003D | BRB | 2\$ | 0738 |
| 50 00000000G | 68 00 | 57 D0 0003F | 1\$: MOVL | R7, EDT\$SA_SEL_POS | 0743 |
| 67 08 BC | 08 | AC C3 00042 | 2\$: SUBL3 | LC, EDT\$SA_LN-END, R0 | |
| 00000000G | 7E 00 | 50 28 0004B | MOV C3 | RO, @LC, (R7) | 0744 |
| 7E | 50 0000000G | 56 CE 00050 | MNEG L | LEN, -(SP) | |
| | | 01 FB 00053 | CALLS | #1, EDT\$SUPD_LNLEN | 0745 |
| | | 00 9E 0005A | MOVAB | EDT\$ST_LN_BUF, RO | |
| | | 50 C3 00061 | SUBL3 | RO, R7, -(SP) | 0746 |
| | | 01 DD 00065 | PUSHL | #1 | |
| | 00000000G 00 | 02 FB 00067 | CALLS | #2, EDT\$SMRK_LNCHG | |
| | 00000000G 00 | 57 D0 0006E | MOVL | R7, EDT\$SA_LN_PTR | 0747 |
| | | 04 00075 | 3\$: RET | | |

: Routine Size: 118 bytes. Routine Base: _EDT\$CODE + 0000

: 178 0748 1
: 179 0749 1 !<BLF/PAGE>

EDT\$CHMDELCHR
V04-000 EDT\$CHMDELCHR - delete characters

: 181 0750 1 END
: 182 0751 1
: 183 0752 0 ELUDOM

F 15
15-Sep-1984 23:49:02 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:22:25 [EDT.SRC]CHMDELCHR.BLI;1

. of module EDT\$CHMDELCHR

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E
V

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|---|
| _EDT\$CODE | 118 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

Library Statistics

| File | ----- Symbols ----- | Pages | Processing |
|-------------------------------------|--------------------------------|--------|------------|
| | Total Loaded Percent | Mapped | Time |
| -\$255\$DUA28:[EDT.SRC]EDT.L32;1 | 377 | 2 | 0 |
| -\$255\$DUA28:[EDT.SRC]PSECTS.L32;1 | 2 | 1 | 50 |
| | | 40 | 00:00.2 |
| | | 7 | 00:00.1 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:CHMDELCHR/OBJ=OBJ\$:CHMDELCHR MSRC\$:CHMDELCHR.BLI/UPDATE=(ENHS:C
HMDELCHR)

: Size: 118 code + 0 data bytes
: Run Time: 00:11.3
: Elapsed Time: 00:14.8
: Lines/CPU Min: 4000
: Lexemes/CPU-Min: 11388
: Memory Used: 73 pages
: Compilation Complete

0130 AH-BT13A-SE
VAX/VMS V4.0

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ERRMSG
REQ

TRACEOFF
REQ

SUPPORTS
REQ

TRACEON
REQ

TRANSLATE
REQ

TRAROUNAM
REQ

BADKEY
LIS

CALLWIO
LIS

CHMBEGSEN
LIS

CHMBELL
LIS

CHMCHGE
LIS

CHMCOMBLIN
LIS

CHMDELLIN
LIS

SYSSYM
REQ

TRANNAME
REQ

TRACELIT
REQ

CALLFIO
LIS

CHMBEPR
LIS

CHMCHANGE
LIS

CHMCRLRC
LIS

EDTREQ
REQ

KEYPADDEF
REQ

RE

TRACEMAC
REQ

PSECTS
REQ

VERSION
REQ

CHMBEGWRD
LIS

CHMCHKCC
LIS

CHMDELCHR
LIS

CHMEINPUT
LIS